



## **Flight Briefing Package**

**TCC316A LIMC-KPHL**

**01-Sep-2024 #1**

RELEASE #1

MALPENSA

(ITALY)

-

PHILADELPHIA INTL

(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

01 SEP 1624 UTC

**TCC316A LIMC-KPHL (01-Sep-2024) #1**

TRADEWIND CARIBBEAN FLIGHTPLAN - IFR TCC316A PJTJK LIMC-KPHL

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 ALL WEIGHTS IN KILOGRAMS (KG) STD 01SEP/1845Z  
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OPF 1 - PREPARED 01SEP/1624Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR316A/TCC316A PJTJK/B777-3ER GE SEL/DEAR ROUTE: LIMCKPHL01

DEP: LIMC/MXP 35L ELEV 768 FT COST INDEX: 250 TTL G/C DIST: 3548 NM  
 ARR: KPHL/PHL 27R ELEV 36 FT INIT ALT: FL320 TTL F/P DIST: 3684 NM  
 FUEL BIAS: 102.8% TTL AIR DIST: 3902 NM  
 AVG WIND CMP: HD027 KT

ALT: KBWI/BWI 33L ELEV 143 FT 91 NM

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<b>CONFIG</b>	<b>DOW</b>	<b>PAX</b>	<b>CARGO</b>	<b>TOTAL</b>	<b>ULOAD LIM</b>		<b>ZFW</b>	<b>TOW</b>	<b>LDW</b>
STANDARD	168400	363	0	42834	25828 LDW	<b>MAX</b>	237682	351534	251290
						<b>PLN</b>	211234	290587	225462
						<b>ACT</b>	.....	.....	.....

	<b>FUEL</b>	<b>CORR</b>	<b>ENDUR</b>	
TRIP	65125	.....	08:00	
CONT 5%	3256	.....	00:30	
ALTN KBWI	2863	.....	00:24	
FINAL RESV	3248	.....	00:30	
HOLD	2166	.....	00:20	
ADD FUEL	1070	.....	00:09	
<b>MIN T/O</b>	<b>77728</b>	.....	09:54	.....
EXTRA	1625	.....	00:15	CAPTAINS SIGNATURE (....)
TAXI	1035	.....	00:15	
<b>RELEASE</b>	<b>80388</b>	.....	10:24	I ACCEPT THIS OPF AND I AM FAMILIAR
ARR FUEL	13538	.....	01:58	WITH THE PLANNED ROUTE AND AERODROMES

FUEL TANK CAP 145524 KG / MAX EXTRA FUEL 27453 KG LIM BY LDW  
 TRIP CORR FOR 5000 KG TOW INCR: +990 KG / 5000 KG TOW DECR: -828 KG  
 2000 FT LOWER: +1246 KG / EET 07:54 CLB: 250/310/84 DES: 84/310/250

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LIMC	STD 18:45Z/20:45L	ETD 18:45Z	ACT OFBL ....	EST T/O 19:00Z	ACT T/O ....
KPHL	STA 03:45Z/23:45L	ETA 03:10Z	ACT ONBL ....	EST LDG 03:00Z	ACT LDG ....
	SKD 09:00	PLN 08:25	TTL BLCK ....	EST FLT 08:00	TTL FLT ....

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\*\*\*\*\* 180 MIN ETOPS CRITICAL FUEL SUMMARY \*\*\*\*\*

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (EINN)	86 NM BEFORE 5020N	N50 01.6 W017 46.0	EET 02:23
ETOPS EXIT (CYQX)	119 NM BEFORE 4550N	N45 22.0 W047 15.0	EET 05:00
ETOPS ENTRY (CYQX)	302 NM BEFORE BRADD	N44 11.3 W060 12.5	EET 06:11
ETOPS EXIT (CYQX)	298 NM BEFORE BRADD	N44 10.7 W060 17.3	EET 06:12

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

EINN (22:20-01:10)  
 CYQX (00:57-02:08)

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 ONE ENGINE OUT DECOMP ETP 1 FOR EINN/CYQX N47 34.2 W032 38.7 EET 03:41

## TCC316A LIMC-KPHL (01-Sep-2024) #1

84/310/250 DESC TO FL100 CRUISE AT 1E0320 317 NM BEFORE 4640N  
 PLN FUEL OVER ETP 44988 ETP FUEL REQ 22881 DIV TIME 02:29  
 ETP TO EINN (N52 42.1 W008 55.5) DIST 959 NM WC TL015 TT 062  
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 878 NM WC HD021 TT 284

**ALL ENGINE DECOMP ETP 1 FOR EINN/CYQX** N47 34.2 W032 38.7 EET 03:41  
 84/310/250 DESC TO FL100 CRUISE AT AE320 317 NM BEFORE 4640N  
 PLN FUEL OVER ETP 44988 ETP FUEL REQ 21702 DIV TIME 02:29  
 ETP TO EINN (N52 42.1 W008 55.5) DIST 959 NM WC TL015 TT 062  
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 878 NM WC HD021 TT 284

**ONE ENGINE OUT ETP 1 FOR EINN/CYQX** N47 32.9 W032 45.9 EET 03:41  
 1E084/310 DESC TO FL135 CRUISE AT 1E0320 312 NM BEFORE 4640N  
 PLN FUEL OVER ETP 44902 ETP FUEL REQ 22636 DIV TIME 02:23  
 ETP TO EINN (N52 42.1 W008 55.5) DIST 964 NM WC TL016 TT 062  
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 874 NM WC HD025 TT 284

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**ATC ROUTE:** N0503F320 IBCU7F AOSTA DCT ORSUD DCT MOLUS DCT UNKIR UM729 DJL UH10  
 AMODO UM729 RESMI UN491 LGL UN502 JSY DCT LIZAD DCT GAPLI DCT SOMAX  
 DCT 50N020W/M085F330 48N030W/M085F340 46N040W 45N050W DCT  
 RAFIN/N0497F360 N86B BRADD DCT HTO DCT WHITE Q409 CYN DCT VCN VCN9

### ALTERNATE PLANNING

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**ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE**  
 KBWI/33L 91 8000 040 HD012 00:24 2863 - DQO V166 BELAY V378 BAL

MOST CRITICAL MORA 17700 FT AT MC504

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WND/SPD	TAS GS	LEG REM	FUEL POSITION	REM / USED	LEG ETO	ACC ATO
-LIMM	LIMC/35L MALPENSA		768	121				79.4 / 1.0			
IBCU7F	DE17R DER17R	346	*CLB	121	P11 181/002		2	78.4 / 2.0	02	00.02	
IBCU7F	D318C MMP318003	326	*CLB	121	P11 177/003		2	78.2 / 2.2	01	00.03	
IBCU7F	D318F MMP318006	318	*CLB	121	P10 162/004		3	77.9 / 2.5	00	00.03	
IBCU7F	D264P MMP264016	242	*CLB	121	P09 165/004		13	77.0 / 3.4	03	00.06	
IBCU7F	CS33 CSL046033	236	*CLB	121	P10 178/003		6	76.7 / 3.7	01	00.07	
IBCU7F	IBCUC	226	*CLB	121	P10 203/002		8	76.3 / 4.1	01	00.08	
IBCU7F	MC512	230	*CLB	121			5	76.1 / 4.3	00	00.08	

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				P10 220/002	3644	N4526.6	E00800.4	...../.....
IBCU7F	MC504	230	*CLB	177	12	75.6 /	4.8	02 00.10
				P10 251/001	3632	N4519.3	E00746.9	...../.....
IBCU7F	MC506	306	*CLB	177	14	75.1 /	5.3	02 00.12
				P08 296/003	3618	N4528.2	E00731.1	...../.....
IBCU7F	AOSTA	337	*CLB	177	21	74.4 /	6.0	03 00.15
				P06 331/006	3597	N4547.8	E00720.8	...../.....
DCT	*BDRY	322	*CLB	177	8	74.2 /	6.2	01 00.16
-LSAC				P06 325/007	3589	N4554.2	E00714.3	...../.....
DCT	*TOC	322	FL320	177	503 3	74.1 /	6.3	00 00.16
				P05 324/008	496 3586	N4556.8	E00711.6	...../.....
DCT	ORSUD	322	FL320	177	503 1	74.1 /	6.3	00 00.16
-LSAS				P05 324/008	495 3585	N4557.5	E00710.9	...../.....
DCT	*BDRY	322	FL320	177	503 24	73.6 /	6.8	03 00.19
-LFFF				P05 288/004	495 3561	N4616.9	E00650.9	...../.....
DCT	MOLUS	322	FL320	130	503 12	73.4 /	7.0	02 00.21
-LSAC				P05 253/003	500 3549	N4626.6	E00640.8	...../.....
DCT	*BDRY	297	FL320	130	503 23	73.0 /	7.4	02 00.23
-LFFF				P06 219/007	500 3526	N4638.1	E00611.6	...../.....
DCT	UNKIR	297	FL320	130	503 22	72.6 /	7.8	03 00.26
				P06 204/004	502 3504	N4648.9	E00543.6	...../.....
UM729	DJL	314	FL320	081 111.45	503 38	72.0 /	8.4	04 00.30
	DIJON LONGVIC			P06 027/002	503 3467	N4716.3	E00505.8	...../.....
UH10	OBURO	302	FL320	044	503 41	71.3 /	9.1	05 00.35
				P06 048/008	504 3426	N4739.1	E00415.9	...../.....
	LFRS	302	FL320	044	12	71.1 /	9.3	02 00.37
				P05 030/010	3414	N4745.8	E00401.3	...../.....
UH10	CHABY	302	FL320	044	503 4	71.0 /	9.4	00 00.37
				P06 053/010	505 3410	N4747.8	E00356.9	...../.....
UH10	OKRIX	302	FL320	039	503 18	70.7 /	9.7	02 00.39
				P06 065/009	507 3392	N4758.0	E00334.1	...../.....
UH10	AMODO	318	FL320	039	503 36	70.1 /	10.3	05 00.44
				P06 107/004	507 3356	N4825.2	E00258.8	...../.....
UM729	COHPA	285	FL320	023	503 5	70.0 /	10.4	00 00.44
				P06 119/004	508 3350	N4826.7	E00251.1	...../.....
UM729	RESMI	284	FL320	023	503 27	69.5 /	10.9	03 00.47
				P06 166/007	507 3323	N4834.1	E00211.5	...../.....
UN491	TABOV	281	FL320	028	503 22	69.1 /	11.3	03 00.50
				P06 177/010	506 3301	N4838.7	E00138.9	...../.....

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UN491	<b>PIGOP</b>	280	FL320	028	503	13	68.9 / 11.5	02	00.52	
					P06	180/011	505 3289	N4841.2	E00120.3	...../.....
UN491	<b>DITAL</b>	280	FL320	028	503	18	68.6 / 11.8	02	00.54	
					P06	182/013	505 3270	N4844.7	E00053.4	...../.....
UN491	<b>LGL</b> LAIGLE	280	FL320	028	<b>112.70</b>	503	14	68.3 / 12.1	01	00.55
					P06	182/013	505 3256	N4847.4	E00031.8	...../.....
UN502	<b>ARGED</b>	285	FL320	030	503	32	67.8 / 12.6	04	00.59	
					P06	188/014	506 3224	N4855.8	W00015.0	...../.....
UN502	<b>SENLO</b>	284	FL320	030	504	38	67.1 / 13.3	05	01.04	
					P06	207/018	500 3186	N4905.0	W00110.7	...../.....
UN502	<b>JSY</b> JERSEY	284	FL320	021	<b>112.20</b>	504	35	66.5 / 13.9	04	01.08
					P07	209/010	500 3151	N4913.3	W00202.8	...../.....
DCT -EGTT	<b>LIZAD</b>	285	FL320	019	505	92	64.9 / 15.5	11	01.19	
					P07	214/016	500 3059	N4935.4	W00419.8	...../.....
	<b>EINN</b>	282	FL320	010		26	64.5 / 15.9	03	01.22	
					P06	179/059	3033	N4940.4	W00459.5	...../.....

----- OCEANIC ENTRY -----

[ ]	LR NAV ACCUR CHECK	AT	__:_Z	CAPT	_____	STBY	_____	FO	_____
[ ]	RVSM ALTIMETER CHECK	AT	__:_Z	CAPT	_____	STBY	_____	FO	_____
[ ]	COMPASS HDG CHECK	AT	__:_Z	CAPT	_____	STBY	_____	FO	_____
[ ]	HF CHECK	AT	__:_Z	SIGNATURE	(.....)	_____	_____	_____	_____

DCT -EGGX	<b>GAPLI</b>	282	FL320	015	504	118	62.4 / 18.0	14	01.36	
					P07	187/041	501 2915	N5000.0	W00800.0	...../.....
DCT	<b>SOMAX</b>	275	FL320	010	503	270	57.7 / 22.7	33	02.09	
					P03	322/038	482 2644	N5000.0	W01500.0	...../.....

----- ETOPS ENTRY (EINN) 0086 NM BEFORE 5020N EET 02:23 -----

DCT	<b>5020N</b> 50N020W	276	*CLB	010		193	54.2 / 26.2	25	02.34	
					P04	315/059	2451	N5000.0	W02000.0	...../.....
DCT -CZQX	<b>4830N</b> 48N030W	264	*CLB	010		412	46.9 / 33.5	53	03.27	
					P07	305/049	2039	N4800.0	W03000.0	...../.....
	<b>*ETP 1</b> EINN/CYQX	268	FL340	010	501	110	45.0 / 35.4	14	03.41	
					P07	296/046	463 1929	N4734.2	W03238.7	...../.....
DCT	<b>4640N</b> 46N040W	267	FL340	010	501	317	39.6 / 40.8	40	04.21	
					P06	259/031	470 1612	N4600.0	W04000.0	...../.....

----- ETOPS EXIT (CYQX) 0119 NM BEFORE 4550N EET 05:00 -----

DCT	<b>4550N</b> 45N050W	276	FL340	010	502	425	32.5 / 47.9	55	05.16	
					P06	219/035	472 1187	N4500.0	W05000.0	...../.....

**TCC316A LIMC-KPHL (01-Sep-2024) #1**

DCT	<b>RAFIN</b>	281	*CLB 010		77		31.3 / 49.1	09	05.25
			P07 206/035		1110		N4453.0 W05148.3	...../.....	
N86B	<b>*BDRY</b>	282	FL360 010		494	118	29.3 / 51.1	15	05.40
			P05 217/034	471	992		N4443.5 W05433.3	...../.....	
N86B	<b>*BDRY</b>	281	FL360 010		494	67	28.2 / 52.2	09	05.49
-CZQM			P05 222/032	471	926		N4436.4 W05606.7	...../.....	
----- ETOPS ENTRY (CYQX) 0302 NM BEFORE BRADD EET 06:11 -----									
----- ETOPS EXIT (KBGR) 0298 NM BEFORE BRADD EET 06:12 -----									
	<b>KBGR</b>	277	FL360 016		214		24.8 / 55.5	27	06.16
			P06 241/046		712		N4405.1 W06101.6	...../.....	
N86B	<b>BRADD</b>	276	FL360 019		497	266	20.6 / 59.8	35	06.51
-KZBW			P06 242/047	451	446		N4309.0 W06700.0	...../.....	
	<b>KPHL</b>	258	FL360 027		232		16.7 / 63.7	31	07.22
			P07 254/073		214		N4116.1 W07132.8	...../.....	
DCT	<b>HTO</b>	253	FL360 042	<b>113.60</b>	499	41	16.0 / 64.3	06	07.28
	HAMPTON EAST HAMPTON		P07 252/070		431	173	N4055.1 W07219.0	...../.....	
DCT	<b>*TOD</b>	252	FL360 031		499	61	15.0 / 65.4	09	07.37
			P07 253/069	432	113		N4023.4 W07327.3	...../.....	
DCT	<b>*BDRY</b>	251	*DES 031		11		15.0 / 65.4	01	07.38
-KZNY			P09 254/066		101		N4017.4 W07339.8	...../.....	
DCT	<b>*BDRY</b>	251	*DES 031		10		15.0 / 65.4	02	07.40
-KZDC			P10 253/056		91		N4011.9 W07351.3	...../.....	
DCT	<b>WHITE</b>	251	*DES 031		22		14.9 / 65.5	03	07.43
			P12 253/038		69		N4000.4 W07415.1	...../.....	
Q409	<b>*BDRY</b>	229	*DES 031		8		14.9 / 65.5	02	07.45
-KZNY			P12 254/035		61		N3953.8 W07421.4	...../.....	
Q409	<b>CYN</b>	229	*DES 022	<b>113.40</b>	6		14.8 / 65.6	01	07.46
	COYLE		P11 255/033		55		N3949.0 W07425.9	...../.....	
DCT	<b>*BDRY</b>	248	*DES 022		18		14.7 / 65.7	03	07.49
-KZDC			P09 259/028		38		N3939.2 W07444.9	...../.....	
DCT	<b>VCN</b>	248	*DES 022	<b>115.20</b>	12		14.7 / 65.8	03	07.52
	CEDAR LAKE MILLVILLE		P09 264/022		25		N3932.3 W07458.0	...../.....	
VCN9	<b>KPHL/27R</b>	342	36 027		25		14.2 / 66.2	08	08.00
	PHILADELPHIA INTL						N3952.5 W07513.4	...../.....	

# TCC316A LIMC-KPHL (01-Sep-2024) #1

WIND INFORMATION - OBS 01/SEP 06:00

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**(CLIMB)**                      **UNKIR**                      **OKRIX**                      **DITAL**  
FL310 330/011 -41    FL360 204/003 -53    FL360 066/007 -53    FL360 196/010 -52  
FL240 250/003 -23    FL340 223/004 -48    FL340 067/011 -48    FL340 185/013 -48  
FL180 208/003 -10    FL320 205/005 -43    FL320 066/010 -43    FL320 182/014 -43  
FL120 159/004 0      FL300 193/006 -37    FL300 064/009 -37    FL300 180/014 -37  
6000 187/002 +13    FL280 196/006 -33    FL280 080/006 -32    FL280 182/012 -32

**JSY**                              **GAPLI**                      **SOMAX**                      **4640N**  
FL360 291/010 -51    FL360 200/042 -50    FL360 311/032 -48    FL380 245/032 -57  
FL340 235/004 -47    FL340 193/041 -46    FL340 319/039 -48    FL360 252/031 -52  
FL320 209/011 -42    FL320 187/041 -42    FL320 322/039 -45    FL340 259/031 -46  
FL300 203/018 -36    FL300 182/042 -37    FL300 326/038 -41    FL320 255/030 -41  
FL280 199/017 -31    FL280 185/039 -33    FL280 323/035 -37    FL300 251/030 -35

**4550N**                              **BRADD**                      **HTO**                              **(DESCENT)**  
FL380 210/034 -57    FL400 247/047 -56    FL400 251/063 -56    FL350 254/059 -47  
FL360 215/035 -52    FL380 244/048 -53    FL380 251/069 -54    FL280 251/046 -30  
FL340 220/036 -46    FL360 243/047 -50    FL360 253/071 -49    FL210 261/029 -14  
FL320 215/036 -41    FL340 242/047 -46    FL340 255/073 -44    14000 262/028 -1  
FL300 210/038 -35    FL320 242/046 -41    FL320 252/065 -40    7000 258/022 +11

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END FLIGHTPLAN 02146 TCC316A PJTGK LIMC-KPHL 01SEP2024

**TCC316A LIMC-KPHL (01-Sep-2024) #1**

**[ATC FLIGHTPLAN]**

(FPL-TCC316A-IS

-B77W/H-SDE1FGHIJ1M1RWXY/LB2

-LIMC1845

-N0503F320 AOSTA DCT ORSUD DCT MOLUS DCT UNKIR UM729 DJL UH10  
AMODO UM729 RESMI UN491 LGL UN502 JSY DCT LIZAD DCT GAPLI DCT  
SOMAX DCT 50N020W/M085F330 48N030W/M085F340 46N040W 45N050W DCT  
RAFIN/N0497F360 N86B BRADD DCT HTO DCT WHITE Q409 CYN DCT VCN  
VCN9

-KPHL0800 KBWI

-PBN/A1B1C1D1L101S1 NAV/RNVD1E2A1 DOF/240901 REG/PJTGK

EET/LIMM0008 LSAC0016 LFFF0019 LSAC0021 LFFF0023 EGTT0119

EGGX0136 50N020W0234 CZQX0327 46N040W0421 KZWY0516 CZQX0540

CZQM0549 KZBW0651 KZNY0738 KZDC0740 KZNY0745 KZDC0749

SEL/DEAR CODE/484180 RVR/75 OPR/TRADEWIND CARIBBEAN

ORGN/TNCCTCAP PER/D

RALT/EINN CYQX

RMK/TCAS

-E/1009)



**TCC316A LIMC-KPHL (01-Sep-2024) #1****[PLANNING WEATHER]****ORIGIN: LIMC/MXP (MALPENSA, ITALY)****UTC +02:00**

LIMC 011550Z VRB02KT CAVOK 33/14 Q1013 NOSIG  
LIMC 011100Z 0112/0218 VRB05KT CAVOK  
TEMPO 0200/0211 3000 TSRA  
BECMG 0204/0206 01010KT  
BECMG 0210/0212 VRB05KT

**DESTINATION: KPHL/PHL (PHILADELPHIA INTL, UNITED STATES)****UTC -04:00**

KPHL 011554Z 24007KT 10SM FEW020 BKN110 OVC190 26/21 A2992 RMK A02 SLP130  
T02610211  
KPHL 011436Z 0115/0218 25010KT P6SM FEW035 BKN150  
FM020300 29006KT P6SM FEW050 SCT250  
FM020600 35010KT P6SM FEW050 SCT250

**ALTERNATE: KBWI/BWI (BALTIMORE/WASHINGTON INTL, UNITED STATES)****UTC -04:00**

KBWI 011554Z 25006KT 10SM FEW030 SCT080 BKN110 BKN140 BKN250 28/22 A2993  
RMK A02 SLP134 T02780217  
KBWI 011500Z 0115/0218 28005KT P6SM SCT025 BKN100  
FM012000 27006KT 5SM -SHRA VCTS SCT035 BKN050CB  
FM012300 28005KT P6SM BKN100  
FM020700 30006KT P6SM BKN250

**EDTO AIRPORT: CYQX/YQX (GANDER INTL, CANADA)****UTC -02:30**

CYQX 011500Z 22020G26KT 20SM FEW040 FEW250 23/13 A3005 RMK CU1CI1 SLP178  
DENSITY ALT 1400FT  
CYQX 011140Z 0112/0212 23012G22KT P6SM BKN020  
BECMG 0112/0114 20015G25KT SCT020  
FM012300 19015KT P6SM SCT030  
FM020400 17012KT P6SM FEW012 BKN120  
FM020800 16012KT P6SM -RA BKN008 OVC080  
FM021000 15010KT 6SM -RA BR BKN006 OVC050  
RMK NXT FCST BY 011800Z

**EDTO AIRPORT: EINN/SNN (SHANNON INTL, IRELAND)****UTC +01:00**

EINN 011600Z 11007KT 9999 SCT018 BKN021 BKN038 19/15 Q1010 NOSIG  
EINN 011100Z 0112/0212 13010KT 9999 FEW015 BKN020  
BECMG 0117/0119 VRB03KT  
TEMPO 0120/0210 -RA BKN012  
PROB40 TEMPO 0202/0207 3000 RA BKN005  
BECMG 0204/0206 32010KT

**TCC316A LIMC-KPHL (01-Sep-2024) #1**

**ADEQUATE: LFRS/NTE (NANTES/ATLANTIQUE, FRANCE)**

**UTC +02:00**

LFRS 011600Z AUTO 24010KT 210V270 9999 BKN013 BKN021 OVC027 21/18 Q1013  
BECMG SCT012 BKN020  
AMD LFRS 011603Z 0116/0218 22008KT 9999 SCT012 BKN020  
TEMPO 0116/0118 BKN010  
PROB30 0202/0208 3000 BR BKN003  
TEMPO 0210/0215 4000 -RA BKN010 BKN020

**ADEQUATE: KBGR/BGR (BANGOR INTL, UNITED STATES)**

**UTC -04:00**

KBGR 011553Z 18009KT 10SM SCT009 OVC016 22/20 A2980 RMK A02 SLP089  
T02220200  
KBGR 011606Z 0116/0212 19007KT P6SM BKN015  
FM011800 18010G19KT P6SM BKN025  
FM012000 18012KT P6SM BKN045  
FM020200 22009KT 1 1/2SM BR VCSH SCT005 BKN080  
FM020900 33008KT P6SM FEW220

TCC316A LIMC-KPHL (01-Sep-2024) #1

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/2 TRACKS FLS 340/390 INCLUSIVE  
SEP 01/1130Z TO SEP 01/1900Z  
PART ONE OF TWO PARTS-

A BALIX 63/20 66/30 67/40 67/50 EPMAN  
EAST LVLS NIL  
WEST LVLS 350 360 370  
EUR RTS WEST NIL  
NAR NIL-

B RESNO 55/20 54/30 52/40 50/50 ELSIR  
EAST LVLS NIL  
WEST LVLS 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR N414A N404E-

C DOGAL 54/20 53/30 51/40 49/50 JOOPY  
EAST LVLS NIL  
WEST LVLS 340 350 360 370 380 390  
EUR RTS WEST NIL  
NAR N344B N332A-

D SOMAX 50/20 48/30 46/40 45/50 RAFIN  
EAST LVLS NIL  
WEST LVLS 350 360 370 390  
EUR RTS WEST NIL  
NAR N94A N82A-

E BEDRA 49/20 47/30 45/40 44/50 BOBTU JAROM  
EAST LVLS NIL  
WEST LVLS 350 360 370 390  
EUR RTS WEST NIL  
NAR N64A N50G-

F OMOKO 48/15 48/20 46/30 44/40 43/50 JEBBY CARAC  
EAST LVLS NIL  
WEST LVLS 350 360 370 390  
EUR RTS WEST NIL  
NAR N38A N26B-

END OF PART ONE OF TWO PARTS)

(NAT-2/2 TRACKS FLS 340/390 INCLUSIVE  
SEP 01/1130Z TO SEP 01/1900Z  
PART TWO OF TWO PARTS-

G 43/40 42/50 41/60 JOBOC  
EAST LVLS NIL  
WEST LVLS 350 370 390  
EUR RTS WEST NIL  
NAR NIL-

REMARKS.

## TCC316A LIMC-KPHL (01-Sep-2024) #1

1. TMI IS 245 OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. SEND RCL 90-30 MINUTES PRIOR TO OCEANIC ENTRY POINT.
3. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS  
NO ASSIGNED PBCS TRACKS  
END OF PBCS OTS
4. INCLUDE THE MAX LEVEL IN RCL. IF NO MAX LEVEL IS PROVIDED THE RCL LEVEL WILL BE CONSIDERED HIGHEST ACCEPTABLE FL THAT CAN BE MAINTAINED AT THE OCEANIC ENTRY POINT.
5. CLEARANCE MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
6. STRATEGIC LATERAL OFFSET PROCEDURE SHOULD BE USED FOR ALL OCEANIC CROSSINGS. LEFT SLOP IS PROHIBITED.
7. 10 MINUTES AFTER PASSING OEP SQUAWK 2000 UNLESS OTHERWISE INSTRUCTED.
8. NAVIGATION ERRORS CAN BE PREVENTED BY THE USE OF PROPER FMS WAYPOINT PROCEDURES.
9. OPERATORS ARE REMINDED TO ONLY USE NAT TRACK DESIGNATORS IN FLIGHT PLANS WHEN FLYING THE WHOLE LENGTH OF THE NAT TRACK.
10. ADS-C AND CPDLC ARE MANDATED FOR LEVELS 290-410 IN NAT AIRSPACE.
11. UK AIP. ENR2.2 PARA 3.5.2 STATES THAT  
NAT OPERATORS SHALL FILE PRM'S.
12. OPERATORS SHOULD REFERENCE NAT DOC 007 CHAPTER 8 AND 13 FOR SPECIFIC NAT OCEANIC PROCEDURES.
13. DATA LINK EQUIPPED FLIGHTS NOT LOGGED ONTO DOMESTIC AIRSPACE, PRIOR TO ENTERING THE SHANWICK OCA, MUST INITIATE A LOGON TO EGGX 10-25 MINS PRIOR TO OCA ENTRY.
14. DUE TO THE CONTINUED IMPACT OF PRE-BOUNDARY GNSS INTERFERENCE, CREWS ARE REMINDED OF THE REQUIREMENTS WITHIN NOTAM G0205/24. -

END OF PART TWO OF TWO PARTS)

(NAT-1/3 TRACKS FLS 340/400 INCLUSIVE  
SEP 02/0100Z TO SEP 02/0800Z  
PART ONE OF THREE PARTS-

S HOIST 57/50 57/40 57/30 57/20 PIKIL SOVED  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N745A N741A-

T JANJO 56/50 56/40 56/30 56/20 RESNO NETKI  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N685A N681A-

U LOMSI 55/50 55/40 55/30 55/20 DOGAL BEXET  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N627A N621A-

V NEEKO 54/50 54/40 54/30 54/20 MALOT GISTI  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL

**TCC316A LIMC-KPHL (01-Sep-2024) #1**

NAR N573A N557A-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 340/400 INCLUSIVE  
SEP 02/0100Z TO SEP 02/0800Z  
PART TWO OF THREE PARTS-

W RIKAL 53/50 53/40 53/30 53/20 LIMRI XETBO  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N501A N497C-

X TUDEP 52/50 52/40 52/30 52/20 DINIM ELSOX  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N443A N437A-

Y ALLRY 51/50 51/40 51/30 51/20 SOMAX ATSUR  
EAST LVLS 340 350 360 370 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR N358B N377A-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 340/400 INCLUSIVE  
SEP 02/0100Z TO SEP 02/0800Z  
PART THREE OF THREE PARTS-

Z SOORY 44/50 47/40 49/30 49/20 BEDRA NASBA  
EAST LVLS 350 380 390 400  
WEST LVLS NIL  
EUR RTS EAST NIL  
NAR NIL-

REMARKS:

- 1.TMI IS 246 OPERATORS ARE REMINDED TO INCLUDE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
- 2.SEND RCL 90-60 MINUTES PRIOR TO OCEANIC ENTRY POINT
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS:  
NO ASSIGNED PBCS TRACKS  
END OF PBCS OTS.
- 4.INCLUDE THE MAX LEVEL IN RCL. IF NO MAX LEVEL IS PROVIDED THE RCL LEVEL WILL BE CONSIDERED HIGHEST ACCEPTABLE FL THAT CAN BE MAINTAINED AT THE OCEANIC ENTRY POINT.
- 5.CLEARANCE MAY DIFFER FROM FLIGHT PLAN, FLY THE CLEARANCE.
- 6.STRATEGIC LATERAL OFFSET PROCEDURE SHOULD BE USED FOR ALL OCEANIC CROSSINGS. LEFT SLOP IS PROHIBITED.
- 7.10 MINUTES AFTER PASSING OEP SQUAWK 2000 UNLESS OTHERWISE INSTRUCTED
- 8.NAVIGATION ERRORS CAN BE PREVENTED BY THE USE OF PROPER FMS WAYPOINT PROCEDURES.
- 9.ADS-C AND CPDLC ARE MANDATED FOR LEVELS 290-410 IN NAT AIRSPACE

## TCC316A LIMC-KPHL (01-Sep-2024) #1

10.OPERATORS REFERENCE NAT DOC 007 CHAPTER 8 AND 13 FOR SPECIFIC NAT OCEANIC PROCEDURES.

11.DATA LINK EQUIPPED FLIGHTS NOT LOGGED ONTO DOMESTIC AIRSPACE, PRIOR TO ENTERING THE GANDER OCA,MUST INITIATE A LOGON TO CZQX 10-25 MINS PRIOR TO OCEANIC ENTRY.

12.CLEARANCE DELIVERY FREQUENCY ASSIGNMENT: AVPUT TO LIBOR 132.02, MAXAR TO VESMI 134.2,AVUTI TO JANJO 128.7, KODIK TO TUDEP 135.45, UMESI TO JOOPY 135.05,MUSAK TO SUPRY 128.45, RAFIN TO TALGO 119.42.

13.OPERATORS SHALL FILE NAT DESIGNATORS IN FLIGHT PLANS WHEN FLYING THE ENTIRE NAT TRACK.

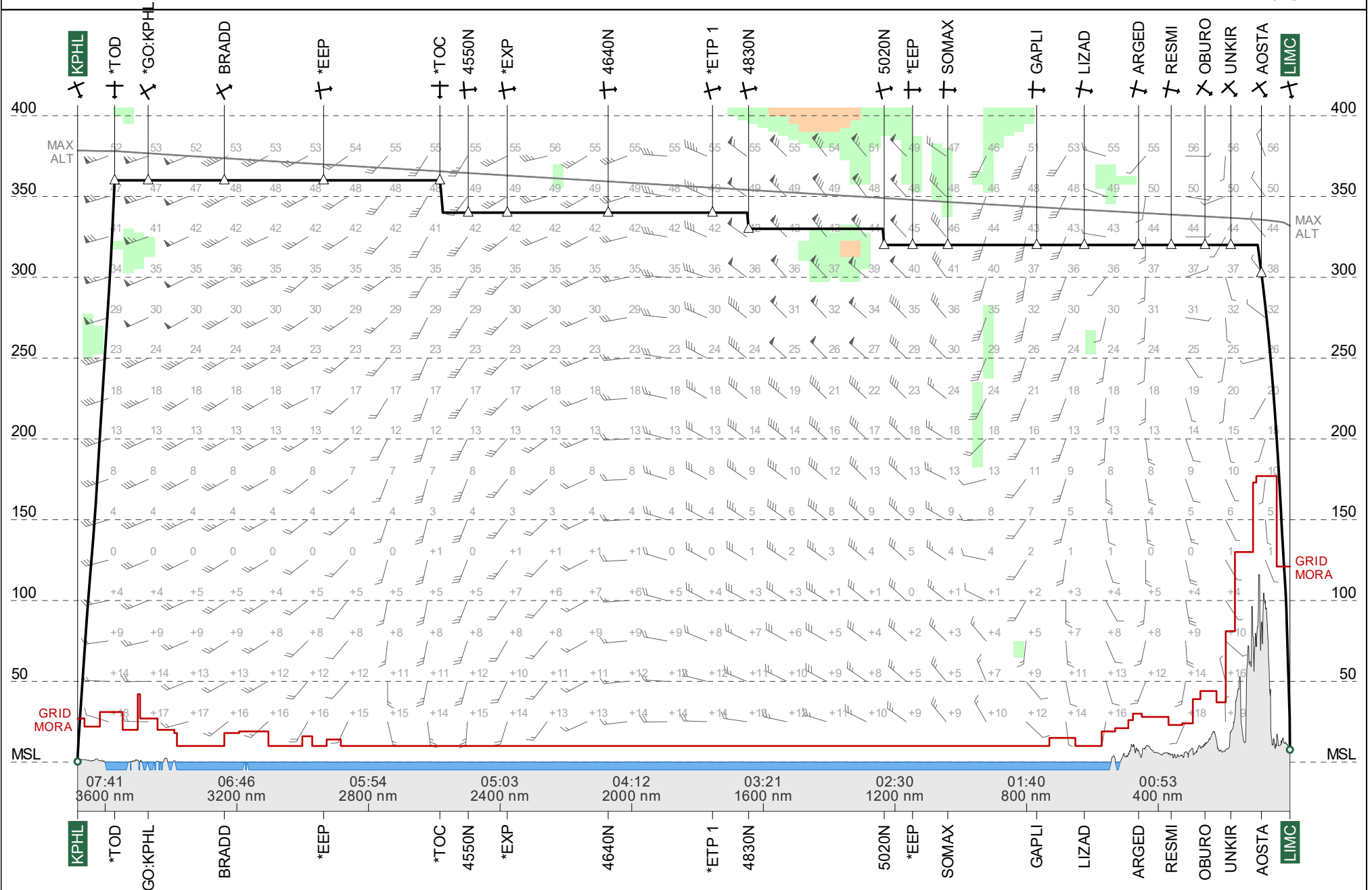
14.OPERATORS REFER TO HALF DEGREE COORDINATES NOTAM H3188/24.-

END OF PART THREE OF THREE PARTS)

# TR316A #1

## KPHL ← —→ LIMC

ETD 01 Sep 18:45z  
PJTGK B77W



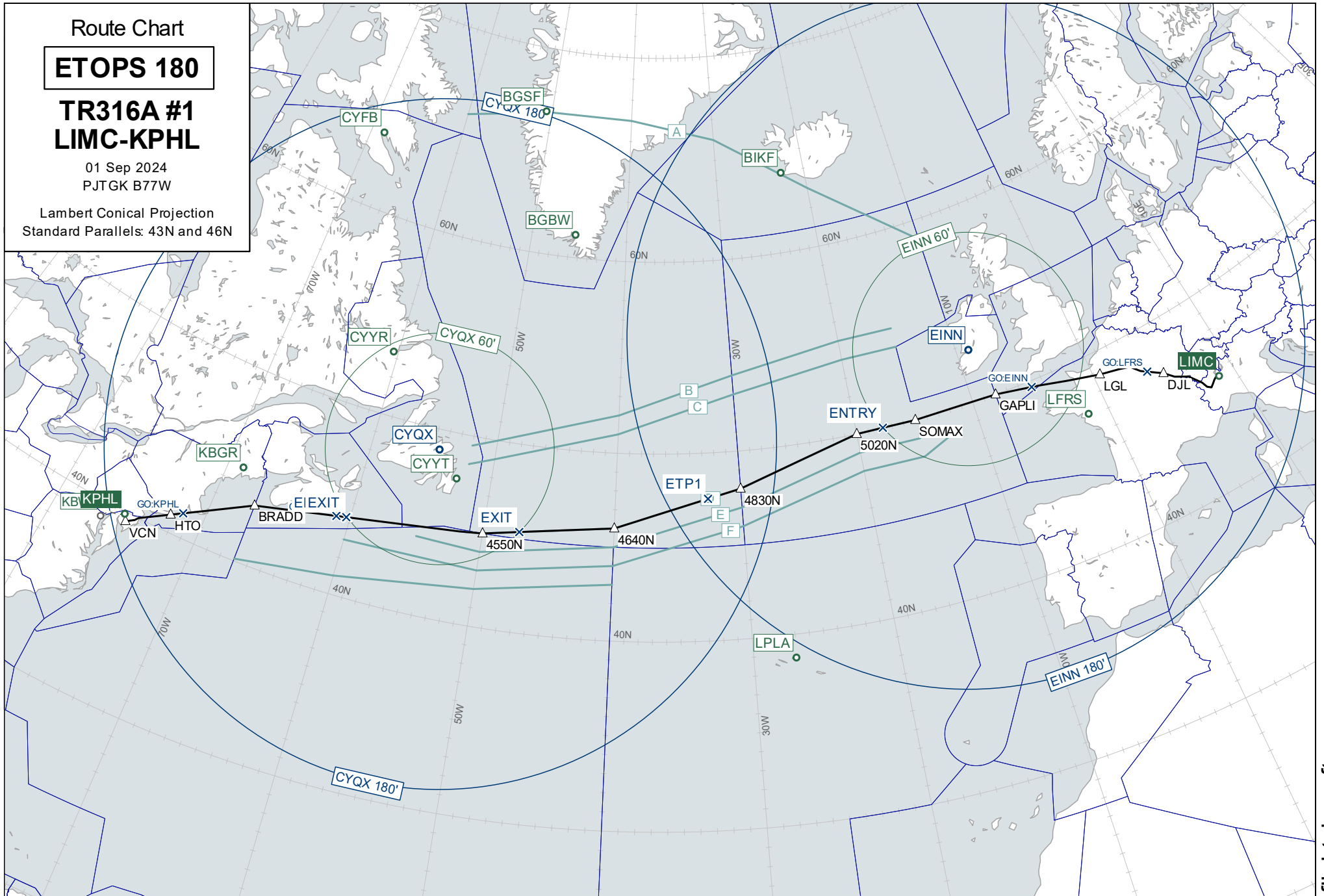
Route Chart

**ETOPS 180**

**TR316A #1  
LIMC-KPHL**

01 Sep 2024  
PJTGK B77W

Lambert Conical Projection  
Standard Parallels: 43N and 46N





# Wind Chart

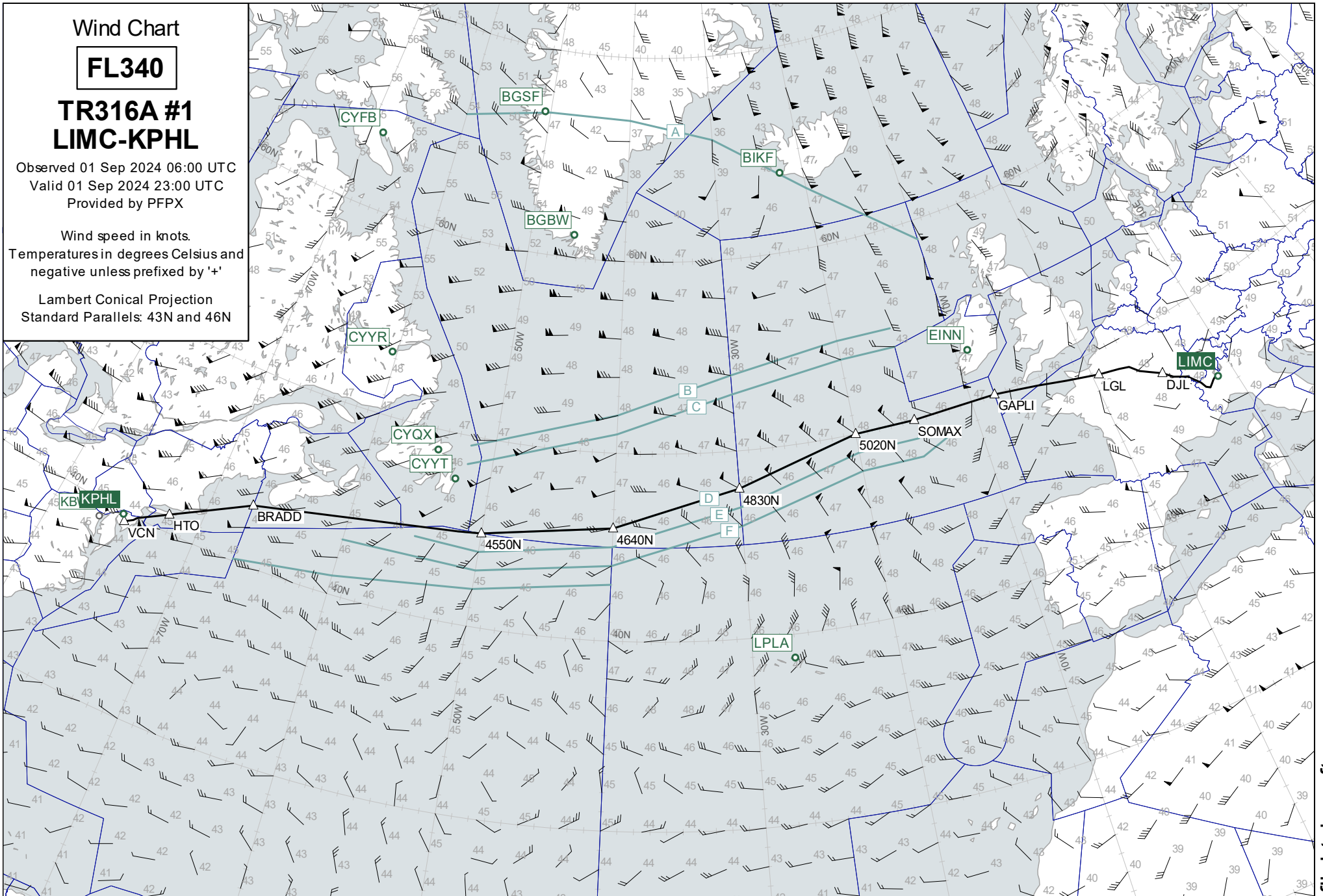
## FL340

### TR316A #1 LIMC-KPHL

Observed 01 Sep 2024 06:00 UTC  
Valid 01 Sep 2024 23:00 UTC  
Provided by PFPX

Wind speed in knots.  
Temperatures in degrees Celsius and  
negative unless prefixed by '+'

Lambert Conical Projection  
Standard Parallels: 43N and 46N



# Wind Chart

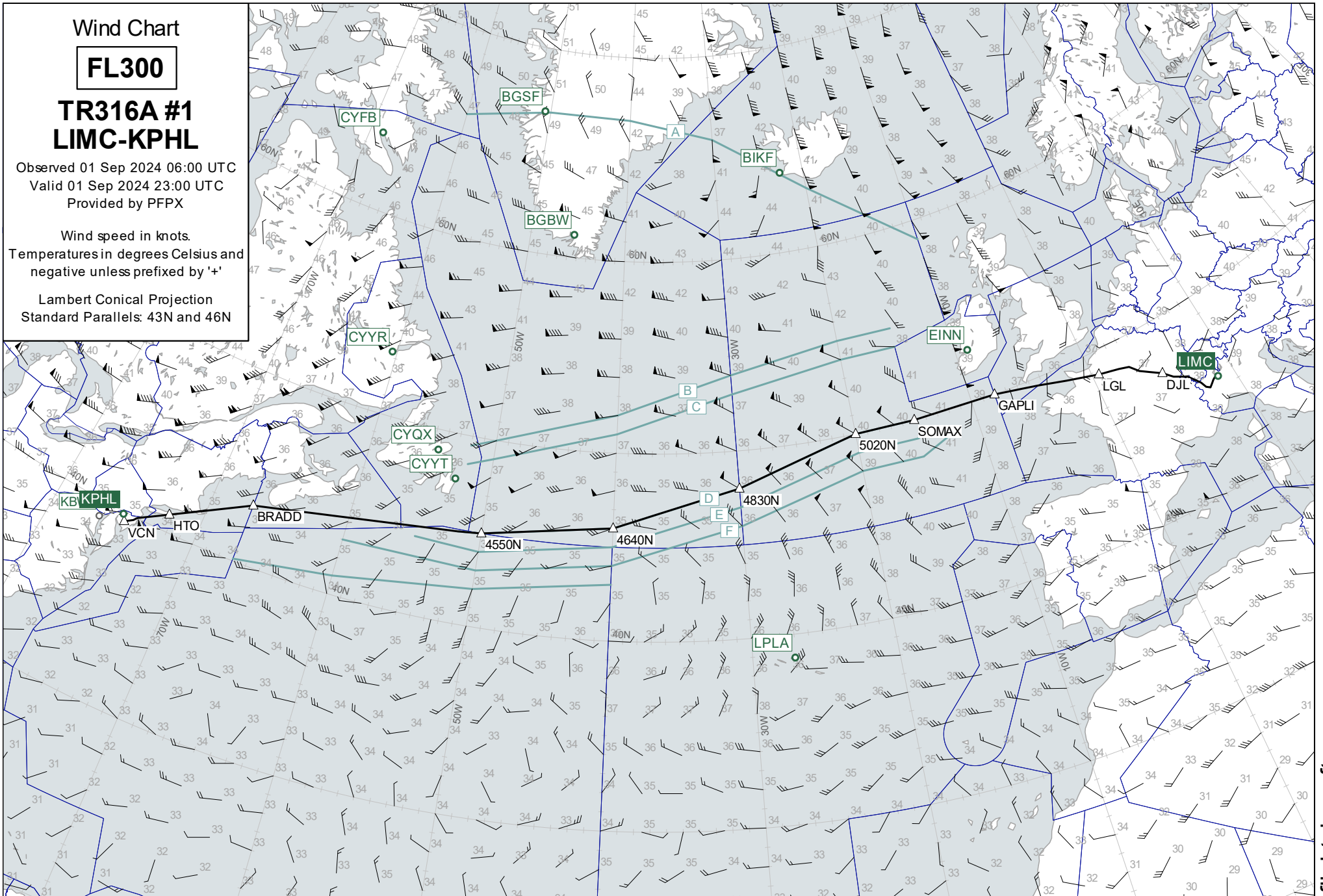
## FL300

### TR316A #1 LIMC-KPHL

Observed 01 Sep 2024 06:00 UTC  
Valid 01 Sep 2024 23:00 UTC  
Provided by PFPX

Wind speed in knots.  
Temperatures in degrees Celsius and  
negative unless prefixed by '+'

Lambert Conical Projection  
Standard Parallels: 43N and 46N



Wind Chart

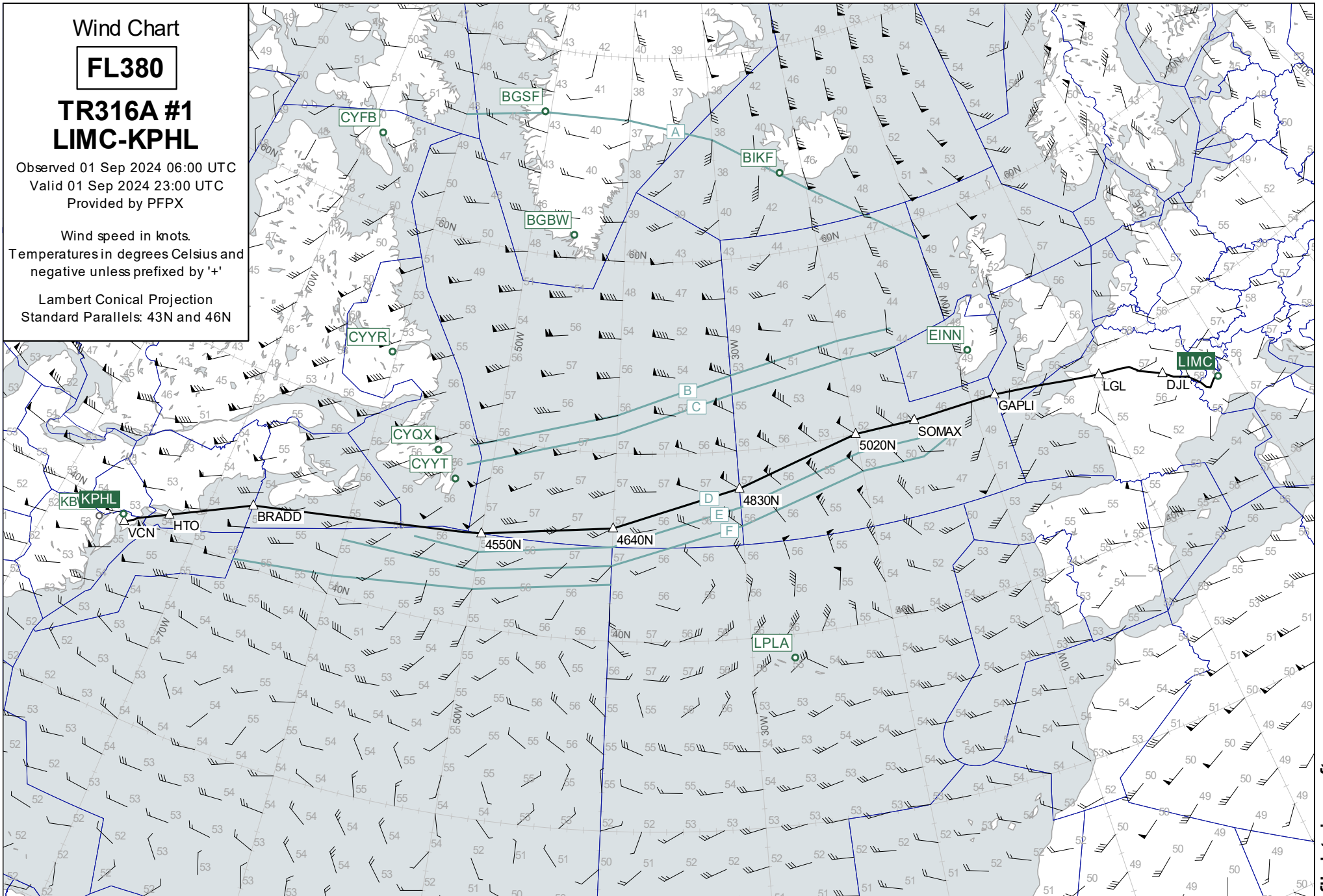
**FL380**

**TR316A #1  
LIMC-KPHL**

Observed 01 Sep 2024 06:00 UTC  
Valid 01 Sep 2024 23:00 UTC  
Provided by PFPX

Wind speed in knots.  
Temperatures in degrees Celsius and  
negative unless prefixed by '+'

Lambert Conical Projection  
Standard Parallels: 43N and 46N



Destination Area

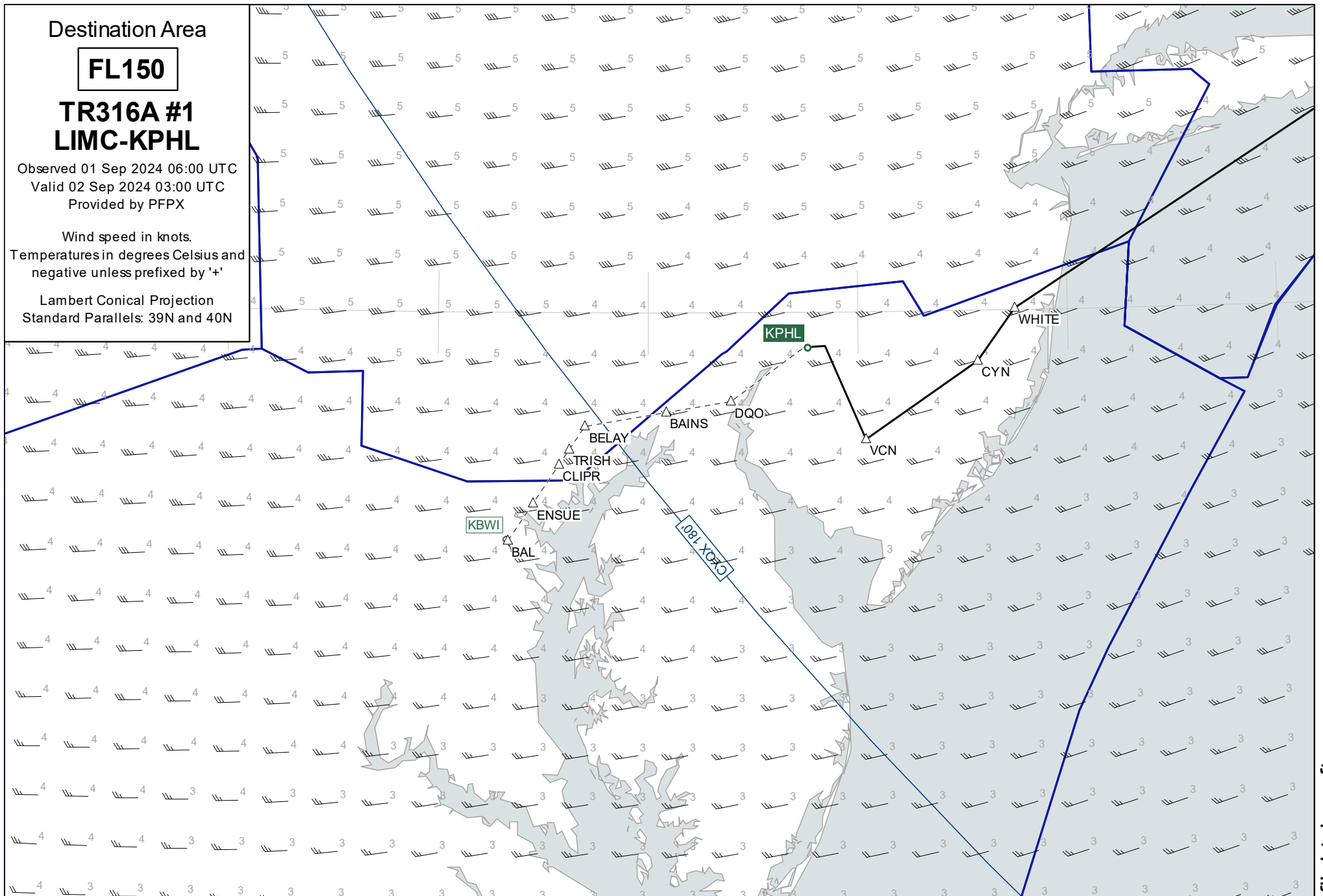
**FL150**

**TR316A #1  
LIMC-KPHL**

Observed 01 Sep 2024 06:00 UTC  
Valid 02 Sep 2024 03:00 UTC  
Provided by PFPX

Wind speed in knots.  
Temperatures in degrees Celsius and  
negative unless prefixed by '+'

Lambert Conical Projection  
Standard Parallels: 39N and 40N



# Plotting Chart

## TR316A #1 LIMC-KPHL

01 Sep 2024  
PJTGK B77W

Lambert Conical Projection  
Standard Parallels: 47N and 50N

